

INSULATION MICROSPHERES AND METHOD OF MANUFACTUREPatent Number: ☐ WO9607538Publication
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Requested
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C03B19/12; C03B19/14; C03B37/00; C03C17/06; C03C17/34; C03C17/36; C03C25/02; C03C25/04EC
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Equivalents: AU3547895, JP10508261T

Cited
Documents: US3607169; US4303732; US4303736; US4303061; US4582756; US3769770; US4039297

Abstract

Evacuated microspheres (10) and insulating materials constructed from such microspheres (32) provide insulation and reduce heat transfer through radiation, conduction and convection. Additionally, an infrared reflective coating (16) is provided on a microsphere surface to reduce radiant heat transfer. A protective exterior coating (18) is also provided to protect an exteriorly applied infrared reflective coating on such a microsphere. The evacuated microspheres are used in elastomeric roof coatings or exterior paints.

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FIG 1

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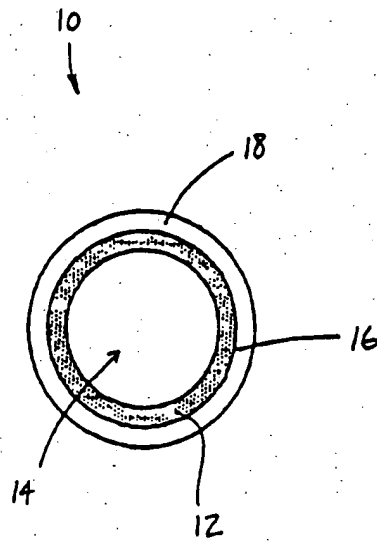


FIG 2

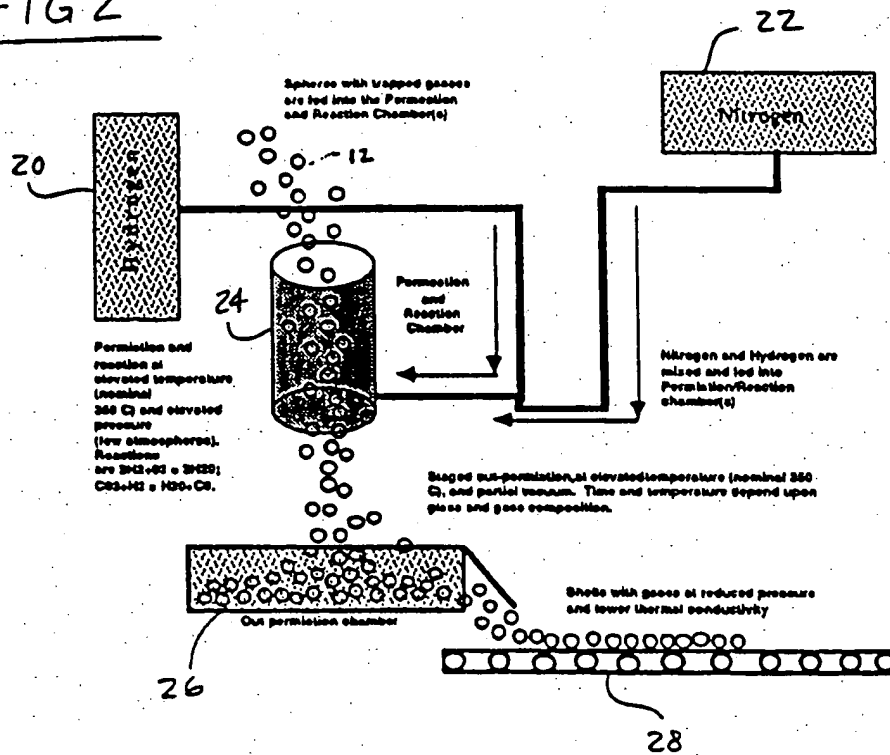


FIG 3

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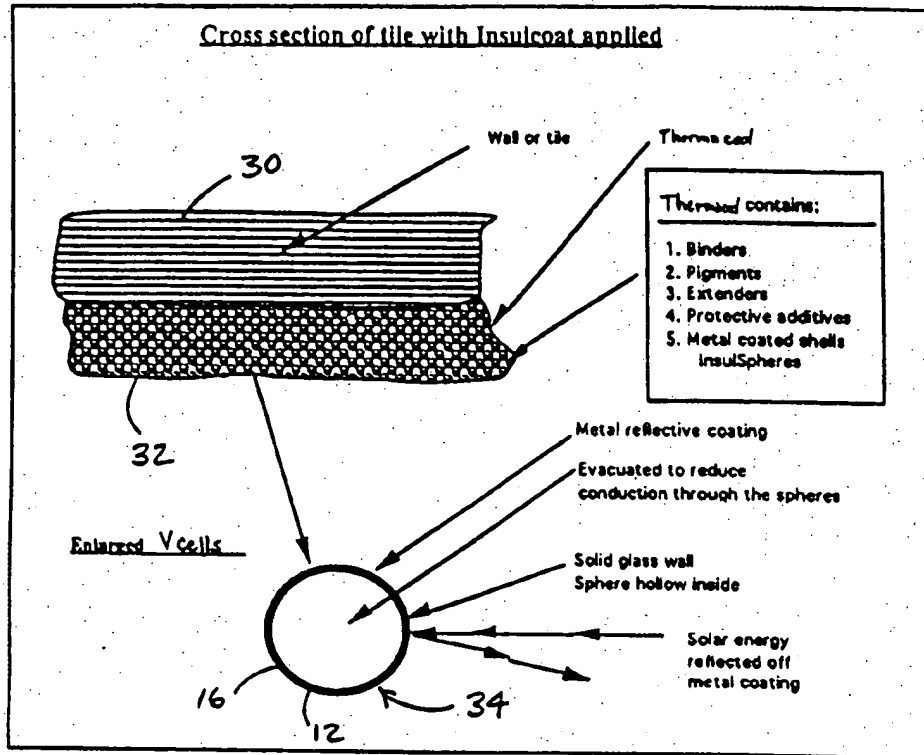


FIG 4

